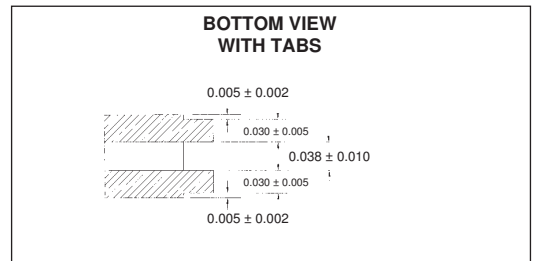
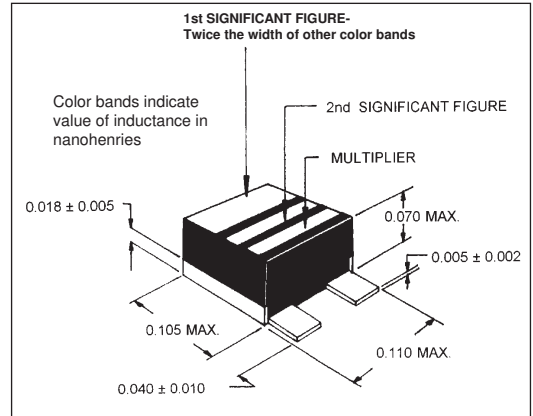


RF INDUCTORS

Molded Chip Inductors C30,000 SERIES

WITH TAB TERMINATIONS	WITHOUT TAB TERMINATIONS	ACTUAL SIZE						
		TOP VIEW	SIDE VIEW					
VANGUARD P/N	VANGUARD P/N	Inductance uH	Min Q	Typ Q	Test Freq MHz	SRF MHz Min	DCR Ohms Max	Current mA Max
C30000	C30000 NT	0.010	45	50	150	1700	0.03	630
C30001	C30001 NT	0.012	45	50	150	1700	0.03	630
C30002	C30002 NT	0.015	45	50	150	1530	0.05	630
C30003	C30003 NT	0.018	45	50	150	1270	0.05	630
C30004	C30004 NT	0.022	41	45	100	1190	0.05	630
C30005	C30005 NT	0.027	41	45	100	1020	0.05	630
C30006	C30006 NT	0.033	42	50	100	930	0.06	540
C30007	C30007 NT	0.039	42	50	100	850	0.09	510
C30008	C30008 NT	0.047	42	50	100	760	0.10	460
C30009	C30009 NT	0.056	42	50	100	720	0.11	440
C30010	C30010 NT	0.068	42	50	100	710	0.12	400
C30011	C30011 NT	0.082	42	50	100	630	0.13	390
C30012	C30012 NT	0.10	42	50	50	490	0.13	390
C30013	C30013 NT	0.12	42	50	50	200	0.13	390
C30014	C30014 NT	0.15	42	50	50	190	0.14	380
C30015	C30015 NT	0.18	41	50	50	190	0.17	360
C30016	C30016 NT	0.22	41	50	50	190	0.23	290
C30017	C30017 NT	0.27	46	54	50	190	0.29	260
C30018	C30018 NT	0.33	46	54	50	170	0.35	230
C30019	C30019 NT	0.39	42	50	50	160	0.52	200
C30020	C30020 NT	0.47	42	50	25	150	0.58	190
C30021	C30021 NT	0.56	41	48	25	140	0.58	190
C30022	C30022 NT	0.68	41	48	25	130	0.58	190
C30023	C30023 NT	0.82	41	48	25	120	0.58	190
C30024	C30024 NT	1.0	41	48	25	110	0.58	190
C30025	C30025 NT	1.20	32	39	7.9	100	0.69	170
C30026	C30026 NT	1.50	32	39	7.9	85	1.3	130
C30027	C30027 NT	1.80	30	36	7.9	76	1.3	130
C30028	C30028 NT	2.20	30	36	7.9	72	1.7	110
C30029	C30029 NT	2.7	32	39	7.9	68	2.0	100
C30030	C30030 NT	3.3	33	41	7.9	63	2.1	100
C30031	C30031 NT	3.9	33	41	7.9	55	2.3	93
C30032	C30032 NT	4.7	32	39	7.9	46	2.7	85
C30033	C30033 NT	5.6	32	39	7.9	38	3.0	83
C30034	C30034 NT	6.8	28	34	7.9	34	3.2	79
C30035	C30035 NT	8.2	28	34	7.9	29	3.5	76
C30036	C30036 NT	10.0	28	34	7.9	28	3.8	73
C30037	C30037 NT	12.0	28	34	7.9	22	4.6	67
C30038	C30038 NT	15.0	24	30	2.5	20	4.8	65
C30039	C30039 NT	18.0	24	30	2.5	17	5.1	63
C30040	C30040 NT	22	24	30	2.5	16	8.6	48
C30041	C30041 NT	27	24	30	2.5	11	9.2	46
C30042	C30042 NT	33	27	32	2.5	10	15	38
C30043	C30043 NT	39	27	32	2.5	8	20	32
C30044	C30044 NT	47	27	32	2.5	7	22	30
C30045	C30045 NT	56	27	32	2.5	7	26	28
C30046	C30046 NT	68	27	32	2.5	6	29	27
C30047	C30047 NT	82	27	32	2.5	6	32	25
C30048	C30048 NT	100	27	32	2.5	5	36	23

Information on Test Fixtures, Test Equipment & Q Curves can be found in the Technical Information section of website



Operating Temperature:
-55 °C to +125 °C

Standard Terminations:
Phosphor bronze with tin-lead coating, welded
internal connections.

Optional Terminations:
Gold plated terminations on request, add suffix "G"
to Vanguard part number when ordering.

Inductance Tolerance:
±10%, tighter tolerances and other inductance
values up to 100uH on request.

**Part Numbers C30000 & C30000 NT thru C30011
& C30011 NT:**
TCL = +125 PPM/°C Max.

**Part Numbers C30012 & C30012 NT thru C30033
& C30033 NT:**
TCL = +80 PPM/°C Max.

**Part Numbers C30034 & C30034 NT thru C30048
& C30048 NT:**
TCL = +80 PPM/°C Max.

C30,000 SERIES



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